Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/15/2022 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124622	-1	1.44	124583	1.41
Blue	F	SSC	125000	124404	-1	2.57	124966	2.49
Blue	E	FITC	13602	13224	-3	2.32	370	13.79
Blue	D	PE	24891	24453	-2	1.70	581	10.25
Blue	B	PerCP-Cy5-5	33972	33125	-3	3.07	946	15.28
Blue	A	PE-Cy7	22865	22599	-2	4.93	469	31.28
Red	C	APC	47198	46602	-2	2.59	1607	11.31
Red	A	APC-Cy7	26454	25512	-4	3.07	720	12.25
Violet	B	V450	6737	6425	-5	3.63	448	11.38
Violet	A	V500	29317	28226	-4	3.16	966	8.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24034	2.36	541	6	N/A	N/A	Pass
Blue	F	SSC	55787	1.99	521	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	489	5	0.0430	215	Pass
Blue	D	PE	113	37.53	492	6	0.4155	280	Pass
Blue	B	PerCP-Cy5-5	147	43.18	585	6	0.0189	89	Pass
Blue	A	PE-Cy7	77	82.37	628	7	0.0213	3	Pass
Red	C	APC	336	25.69	572	0	0.0293	204	Pass
Red	A	APC-Cy7	133	35.04	549	-2	0.0065	1396	Pass
Violet	B	V450	76	46.71	448	-2	0.0568	2208	Pass
Violet	A	V500	114	32.35	468	-1	0.0247	1051	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.60	-31.52	1.04
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.76	13.90 - 20.86	N/A	N/A	29.87	30.09	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13497

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments